Date: Tue, 10 Aug 93 04:30:23 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V93 #4
To: Ham-Space

Ham-Space Digest Tue, 10 Aug 93 Volume 93 : Issue 4

Today's Topics:
Moonbounce or meteor scatter, which is easier ? (2 msgs)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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Date: Mon, 9 Aug 1993 16:32:14 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!math.ohio-state.edu!sdd.hp.com!hpscit.sc.hp.com!news.dtc.hp.com!srgenprp!glenne@network.ucsd.edu
Subject: Moonbounce or meteor scatter, which is easier ?
To: ham-space@ucsd.edu

Dean Youngquist (youngqud@ucs.orst.edu) wrote:
: I've become interested in sending VHF signals between Corvallis, Oregon
: and Everett, Washington. Of course, these 2 points are out of range
: of each other for conventional point to point VHF signals. If I
: were to focus on moon bounce or meteor scatter propagation, which
: do you suppose would be easier to acomplish ?

Dean,

  I've done both and meteor scatter is far easier. In fact, with a low to moderate gain antenna and 100-200 watts you may very well be able to find enough to scatter your signal from to allow you to work "direct". They may not be as "out of range" as you think. I've worked British Columbia as well as Tacoma on meteor scatter more than once. I believed I worked VE7ANP years ago on routing meteor schedules when he was

running only 100 watts.
  I suspect that with high power and reasonable antennas on 6M that you could work it pretty reliably, perhaps even all the time on SSB. The "6M early morning crowd" has used troposcatter which is enhanced by extra meteor activity to work up and down the west coast (at least). I don't know if they are still active on weekend mornings or not.

  Getting a station that can hear its own echos from the moon is a lot more work (but fun).

73
Glenn Elmore n6gn

N6GN @ K3MC
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Internet: glenne@sr.hp.com

Date: Mon, 9 Aug 1993 17:21:07 GMT
From: telesoft!garym@uunet.uu.net
Subject: Moonbounce or meteor scatter, which is easier ?
To: ham-space@ucsd.edu

In <2452hn$ed@gaia.ucs.orst.edu> youngqud@ucs.orst.edu (Dean Youngquist) writes:
>I've become interested in sending VHF signals between Corvallis, Oregon
>and Everett, Washington.
>... If I
>were to focus on moon bounce or meteor scatter propagation, which
>do you suppose would be easier to acomplish ?

I'm not sure of the distance between those two points but how about tropo-scatter? That might be even easier for the distance involved but I don't know if it works at VHF, I've only used it on UHF (2-4 Ghz).
--GaryM
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End of Ham-Space Digest V93 #4
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